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10/26/99

United States Environmental Protection Agency
Pollution Report

EPA Region 5 Records Ctr.



306785

I. HEADINGS

DATE: October 25, 1999

SUBJECT: Pollution Report for the Lake Underground Storage Site,
Painesville Township, Lake County, Ohio

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FOLREP #3 - OPA Funded Removal

Start Date: September 16, 1999

II. BACKGROUND

Site No:	FPN G99032
NPL Status:	Non-NPL
Response Authority	OPA
State Notification:	OEPA
Completion Date:	TBD
Latitude:	41°43'43.37" N
Longitude:	81°16'43.29" W
CERCLA Incident Category:	Removal - OPA funded

III. SITE INFORMATION

A. Incident Category: Removal-OPA funded

B. Site Description

1. Site location and background

Lake Underground Storage (LUS) site (a.k.a Nacelle Land Management Corporation) is a 73-acre, inactive brine facility located at 675 Lakeshore

Boulevard in Painesville Township, Lake County, Ohio. The site is located northwest of the city of Painesville and adjacent to Mentor Marsh State Nature Preserve, which empties into Lake Erie. A detailed description of the background can be found in the initial POLREP.

IV. RESPONSE INFORMATION

A. Situation

1. Current situation

On September 16, 1999, U.S. EPA mobilized ERRS and START contractors to the Lake Underground Storage site to address five abandoned aboveground storage tanks (four 30,000-gallon liquid propane tanks [LPG] and one 3,000-gallon storage tank) which contain approximately 70,000 gallons of weathered crude oil. In addition, the site has a 12-million gallon impoundment with approximately 1,000,000 gallons of oil-water mixture. The liner for the impoundment is torn in several locations and is covered with a thick layer of oily sludge. The facility has been abandoned for a number of years and is in extremely poor condition. Both the aboveground storage tanks and the impoundment present a substantial threat of discharge of oil into or upon the navigable water of the United States.

2. Removal actions to date:

October 11th through 13th, 1999 ERRS continued to remove the oil-soaked liner from the sides of the 12-million gallon impoundment and placed into roll-off boxes for disposal. In addition, the cut made into the northern end of the impoundment is continued to be opened up to gain access to the accumulation of sludge on the bottom. ERRS continues to research and test solidification of the lagoon sludges with on-site soils, dried clay and lime.

On October 11th through 22nd, 1999, ERRS continued to pump the water from the lagoon into the sanitary sewer located adjacent to Blackbrook Road. On October 18th ERRS crew began 24-hour de-watering operations to hasten the removal of water from the lagoon. As of October 22, 1999, a total of 550,875 gallons of water were discharged into the sanitary sewer.

From October 13th through 21st, 1999, a total of 685.85 tons of fly ash were delivered to the site. ERRS mixed the fly ash with the lagoon sludges and then staged the solidified sludge in the waste staging area. On October 20th ERRS created a waste staging area south of the command post. Stockpiled waste will be staged for eventual disposal.

On October 14th and 15th, 1999, ERRS utilized the excavator to construct an additional access-way in the northeastern corner of the lagoon in order to simplify the transfer of the fly ash to the lagoon and the waste to the staging area.

B. Next Steps

- Begin the disposal of the contaminated sludges and sediments in the 12-million gallon impoundment.
- Dispose of the lagoon liner.
- Site-specific IAG was submitted to USCG for funding of removal actions.

C. Key Issues

- None.

V. Cost Information

ERRS	\$ 82,373 (to 10/15/99)
EPA/USGC	\$ 7,267.50 (to 10/21/99)
START	\$ 12,150 (to 10/21/99)

WATER DISPOSAL SUMMARY			
LAKE UNDERGROUND STORAGE SITE PAINESVILLE TOWNSHIP, LAKE COUNTY, OHIO			
DATE	WASTE	VOLUME	DISPOSAL
10/07 thru 10/13/99	Lagoon Water	165,840 gallons	Sanitary Sewer
10/14/99	Lagoon Water	30,675 gallons	Sanitary Sewer
10/15/99	Lagoon Water	27,833 gallons	Sanitary Sewer
10/18/99	Lagoon Water	78,352 gallons	Sanitary Sewer
10/19/99	Lagoon Water	36,450 gallons	Sanitary Sewer
10/20/99	Lagoon Water	71,250 gallons	Sanitary Sewer
10/21/99	Lagoon Water	140,475 gallons	Sanitary Sewer
TOTAL		550,875 gallons	Sanitary Sewer